

Gallium Arsenide Germanium Solar Cell (Gaas) Market – Industry Trends and Forecast to 2029



Global [Gallium Arsenide Germanium Solar Cell \(Gaas\) Market](https://www.databridgemarketresearch.com/reports/global-gallium-arsenide-germanium-solar-cell-gaas-market) was valued at USD 13.42 billion in 2021 and is expected to reach USD 27.63 billion by 2029, registering a CAGR of 7.90% during the forecast period of 2022-2029. Radio Frequency Electronics accounts for the largest application segment in the respective market owing to the high usage in wireless communication applications, including wireless networks (WLAN), and mobile communication, among others. The market report curated by the Data Bridge Market Research team includes in-depth expert analysis, import/export analysis, pricing analysis, production consumption analysis, and pestle analysis.

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Report Description

Gallium arsenide germanium solar cell (GaAs) consist of Gallium (Ga) and Arsenide (As), and a zinc blende crystal structure. These elements are used as a substrate material for growth of other semiconductors. GaAs is considered ideal for use in multijunction and high-efficiency solar cells.

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Major Key Players

Some of the major players operating in this market are :

- ☐ Semiconductor Wafer Inc
- ☐ AXT, Inc.
- ☐ Freiberger Compound Materials GmbH
- ☐ Xiamen Powerway Advanced Material Co., Ltd.
- ☐ Sumitomo Electric Industries, Ltd.
- ☐ Wafer Technology Ltd.
- ☐ MTI Corporation
- ☐ Vital Materials Co., Limited.
- ☐ DOWA Electronics Materials Co., Ltd.
- ☐ II-VI Incorporated

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- By Type (LEC Grown GaAs, VGF Grown GaAs),
- Application (Radio Frequency Electronics, Light Emitting Diodes, Photovoltaic Devices, Photonic Devices, Wireless Communication, Optoelectronic Devices, Other Applications)

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Based on geography, the market is segmented into five geographical regions

- ☐ North America
- ☐ Europe
- ☐ Asia-Pacific
- ☐ South America
- ☐ Middle East
- ☐ Africa

About Data Bridge Market Research



An absolute way to forecast what future holds is to comprehend the trend today!

Data Bridge Market Research set forth itself as an unconventional and neoteric Market research and consulting firm with unparalleled level of resilience and integrated approaches. We are determined to unearth the best market opportunities and foster efficient information for your business to thrive in the market. Data Bridge endeavors to provide appropriate solutions to the complex business challenges and initiates an effortless decision-making process.

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